

This listing of claims will replace all prior versions, and listings, of claims in the Application:

LISTING OF CLAIMS:

Claims 1 - 27 (canceled)

Claim 28 (new): A method of screening for a genotype associated with increased resistance to familial bipolar affective disorder in a family affected by bipolar affective disorder, comprising:

- a) selecting at least one marker located in a chromosomal region inclusive of and localized between *D4S431* and *D4S404*;
- b) determining the presence or absence of the marker for at least one family member in a family affected by bipolar affective disorder, thereby determining a genotype of the family member;
- c) determining, after the age of onset, the bipolar affective disorder disease status in the family member;
- d) correlating the genotype with the bipolar affective disorder disease status of the family member; and
- e) determining therefrom a genotype associated with increased resistance to bipolar affective disorder.

Claim 29 (new): The method of claim 28, wherein the chromosomal region is inclusive of and localized between markers *D4S3007* and *D4S419*.

Claim 30 (new): The method of claim 29, wherein the marker is *D4S3007*, *D4S394*, *D4S2983*, *D4S2923*, *D4S615*, *AFM_al84za9*, *D4S2928*, *D4S1065*, *D4S1582*, *D4S107*, *D4S3009*, *D4S2906*, *D4S2949*, *AFM087zg5*, *D4S2944*, *D4S403*, *D4S2942*, *D4S2984*, *D4S1602*, *D4S1511*, *D4S2311*, *D4S3048*, or combinations thereof.

Claim 31 (new): The method of claim 30, wherein the marker is *D4S3009*, *D4S2906*, *D4S2949*, *AFM087zg5*, *D4S2944*, *D4S403*, *D4S2942*, *D4S2984*, *D4S1602*, *D4S1511*, *D4S2311*, or combinations thereof.

Claim 32 (new): The method of claim 28, wherein at least three markers are selected.

Claim 33 (new): The method of claim 28, wherein the marker is for a restriction fragment length polymorphism or microsatellite polymorphism.

Claim 34 (new): The method of claim 28, wherein the marker is amplified.

Claim 35 (new): The method of claim 34, wherein the marker is amplified by the polymerase chain reaction.

Claim 36 (new): The method of claim 28, wherein the genotype of an affected family member is determined.

Claim 37 (new): The method of claim 28, wherein the genotype of a non-affected family member is determined.

Claim 38 (new): The method of claim 28, further comprising:

a) selecting at least one additional marker located in a chromosomal region inclusive of and localized between *D6S344* and *D6S89*; inclusive of and localized between *D13S171* and *D13S218*; or at about *D15S148*; and

b) determining the presence or absence of the additional marker for at least one family member in a family affected by bipolar affective disorder.

Claim 39 (new) The method of claim 28, wherein b) through d) are carried out for at least two family members.